

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
 Data File : BG061094.D
 Acq On : 2 May 2024 15:23
 Operator : MA/JU
 Sample : P2340-01
 Misc :
 ALS Vial : 10 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: May 02 16:21:29 2024
 Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed May 01 05:11:25 2024
 Response via : Initial Calibration

Compound	R.T.	QIon	Response	Conc	Units	Dev(Min)

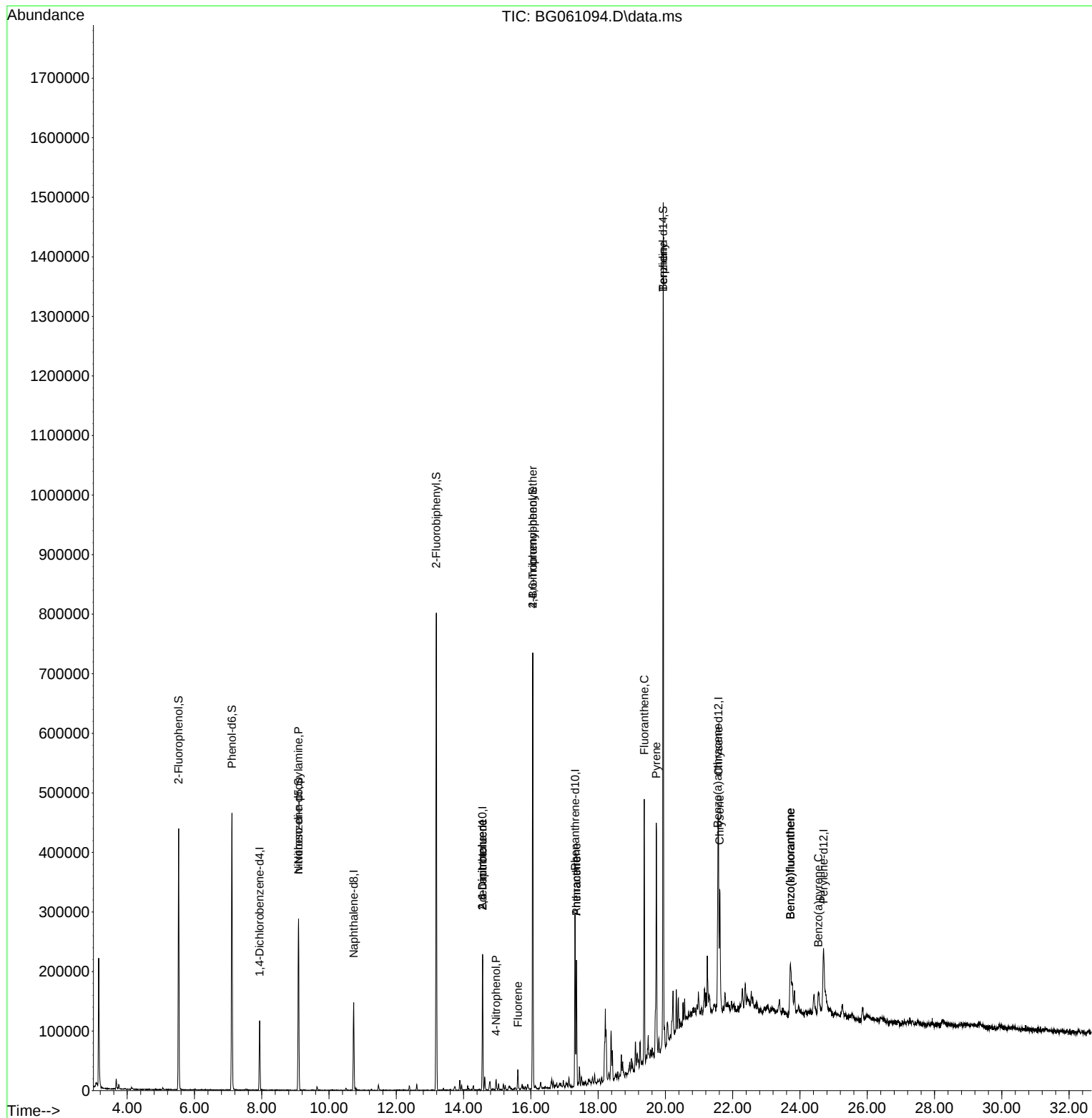
Internal Standards						
1) 1,4-Dichlorobenzene-d4	7.936	152	30578	20.000	ng	-0.03
21) Naphthalene-d8	10.733	136	114381	20.000	ng	-0.03
39) Acenaphthene-d10	14.563	164	84047	20.000	ng	-0.03
64) Phenanthrene-d10	17.313	188	183551	20.000	ng	-0.02
76) Chrysene-d12	21.573	240	182894	20.000	ng	-0.02
86) Perylene-d12	24.699	264	164578	20.000	ng	-0.03
System Monitoring Compounds						
5) 2-Fluorophenol	5.527	112	153819	102.305	ng	-0.02
7) Phenol-d6	7.113	99	211563	95.118	ng	-0.02
23) Nitrobenzene-d5	9.093	82	146590	63.531	ng	-0.03
42) 2,4,6-Tribromophenol	16.056	330	153122	91.147	ng	-0.02
45) 2-Fluorobiphenyl	13.189	172	413303	72.716	ng	-0.02
79) Terphenyl-d14	19.934	244	716436	65.149	ng	-0.02
Target Compounds						Qvalue
9) Benzaldehyde	7.113	77	463	Below Cal	#	3
19) n-Nitroso-di-n-propyla...	9.093	70	22418	13.468	ng	# 60
51) 2,6-Dinitrotoluene	14.563	165	11829	8.519	ng	# 16
56) 4-Nitrophenol	14.963	139	2782	2.709	ng	# 1
57) 2,4-Dinitrotoluene	14.563	165	11829	5.758	ng	# 18
58) Fluorene	15.615	166	14724	2.437	ng	97
67) 4-Bromophenyl-phenylether	16.056	248	9644	4.460	ng	# 1
71) Phenanthrene	17.354	178	136335	16.244	ng	98
72) Anthracene	17.354	178	136335	16.280	ng	98
75) Fluoranthene	19.370	202	285448	24.826	ng	100
77) Benzidine	19.934	184	12636	6.215	ng	# 92
78) Pyrene	19.728	202	272310	23.419	ng	98
81) Benzo(a)anthracene	21.555	228	117801	9.843	ng	97
83) Chrysene	21.614	228	164353	14.657	ng	96
88) Benzo(b)fluoranthene	23.717	252	179819	19.553	ng	# 99
89) Benzo(k)fluoranthene	23.717	252	179819	20.324	ng	# 96
90) Benzo(a)pyrene	24.546	252	54728	6.831	ng	# 92

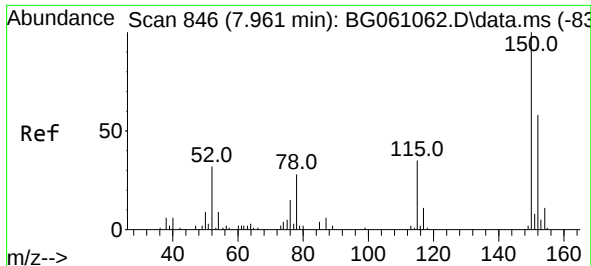
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\svoasrv\HPCHEM1\BNA_G\Data\BG050224\
Data File : BG061094.D
Acq On : 2 May 2024 15:23
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Misc :
ALS Vial : 10 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

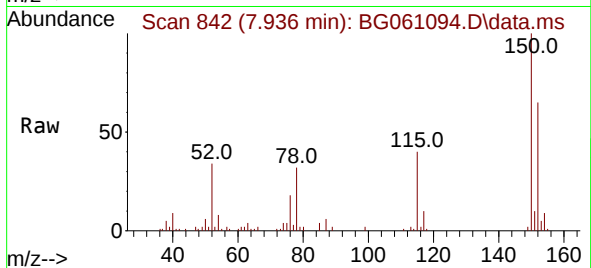
Quant Time: May 02 16:21:29 2024
Quant Method : Z:\svoasrv\HPCHEM1\BNA_G\Methods\8270-BG043024.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed May 01 05:11:25 2024
Response via : Initial Calibration



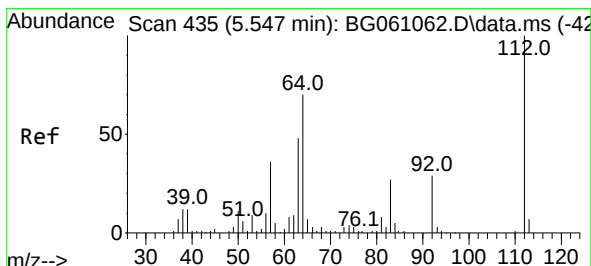
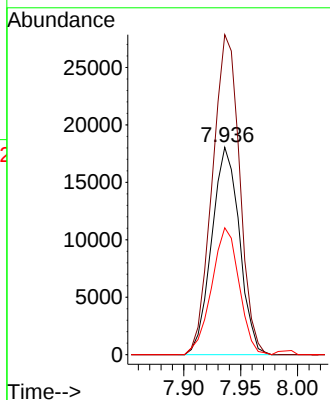
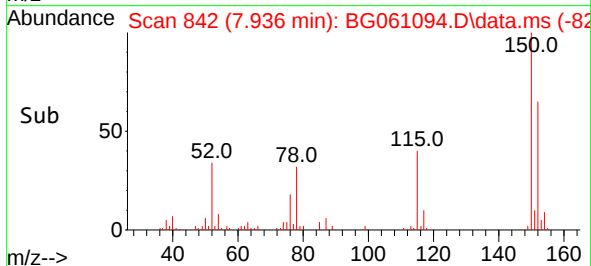


#1
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 7.936 min Scan# 84
Delta R.T. -0.025 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

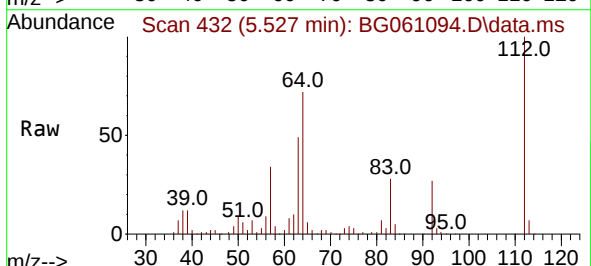
Instrument :
BNA_G
ClientSampleId :



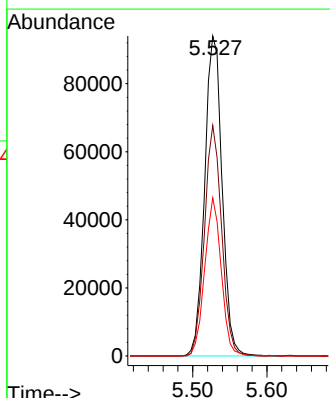
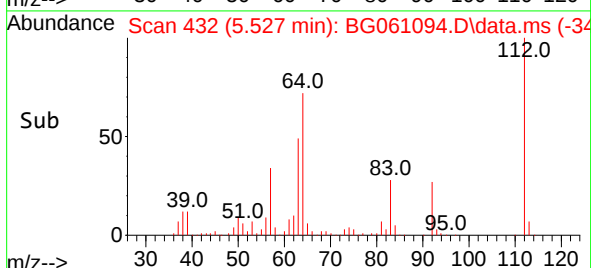
Tgt Ion:152 Resp: 30578
Ion Ratio Lower Upper
152 100
150 154.3 138.3 207.5
115 61.2 48.0 72.0



#5
2-Fluorophenol
Concen: 102.305 ng
RT: 5.527 min Scan# 432
Delta R.T. -0.020 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23



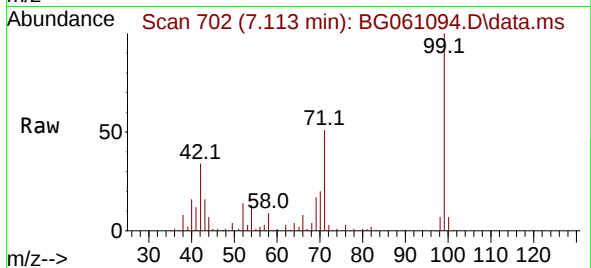
Tgt Ion:112 Resp: 153819
Ion Ratio Lower Upper
112 100
64 72.0 55.7 83.5
63 49.4 38.1 57.1



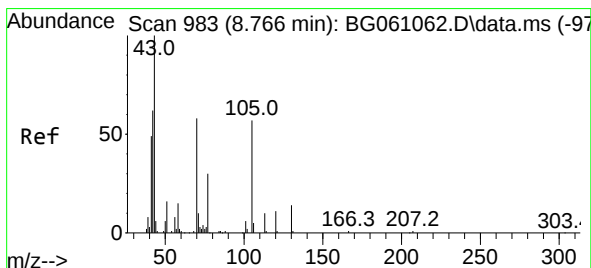
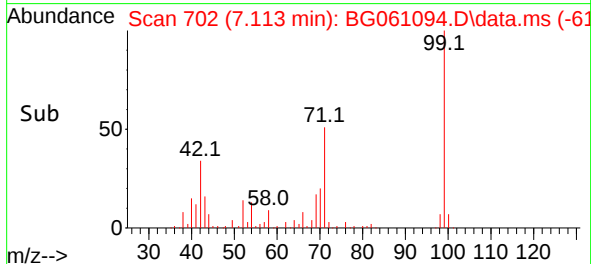
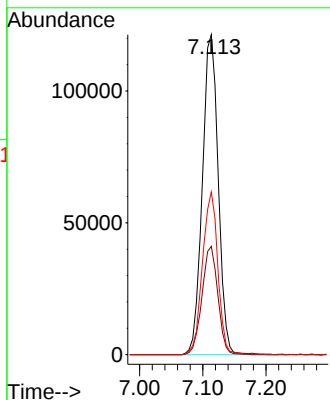


#7
Phenol-d6
Concen: 95.118 ng
RT: 7.113 min Scan# 705
Delta R.T. -0.020 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Instrument :
BNA_G
ClientSampleId :

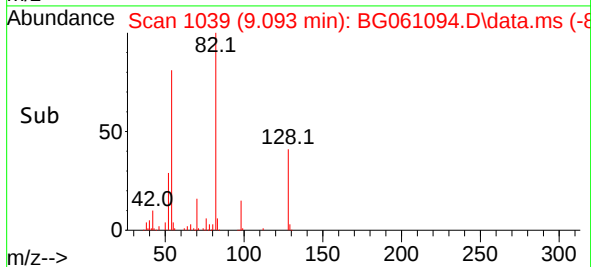
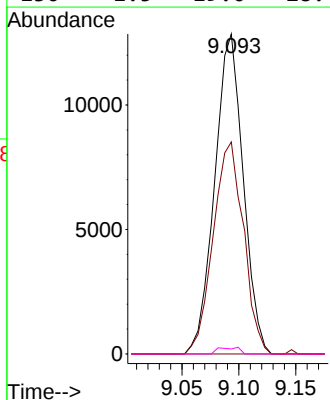
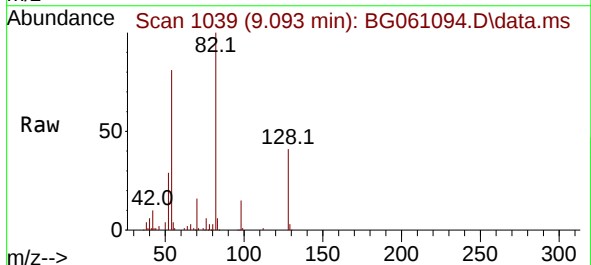


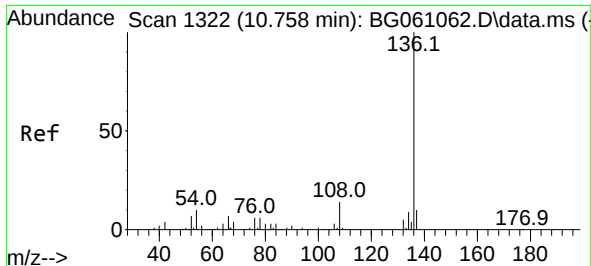
Tgt Ion: 99 Resp: 211563
Ion Ratio Lower Upper
99 100
42 33.9 29.2 43.8
71 50.8 39.7 59.5



#19
n-Nitroso-di-n-propylamine
Concen: 13.468 ng
RT: 9.093 min Scan# 1039
Delta R.T. 0.327 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Tgt Ion: 70 Resp: 22418
Ion Ratio Lower Upper
70 100
42 66.3 86.4 129.6#
101 0.0 7.8 11.8#
130 1.5 19.0 28.4#

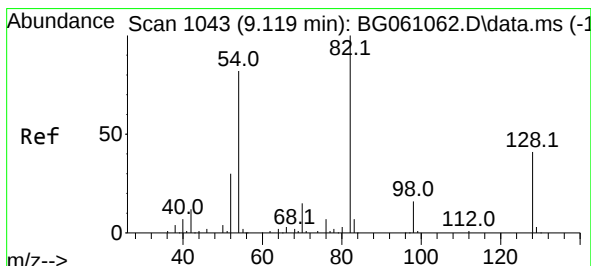
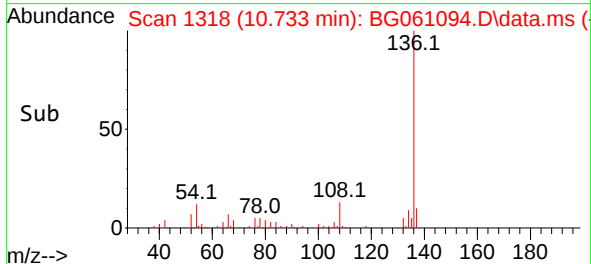
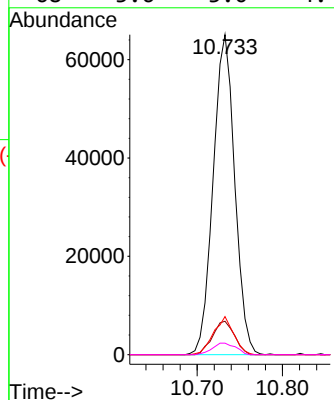
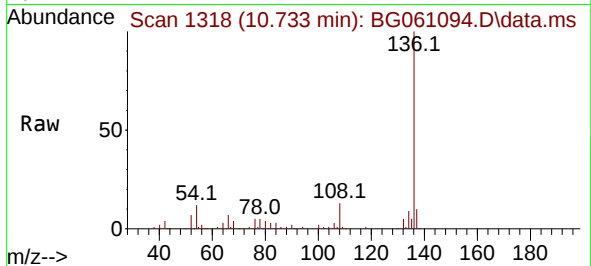




#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.733 min Scan# 11
Delta R.T. -0.025 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

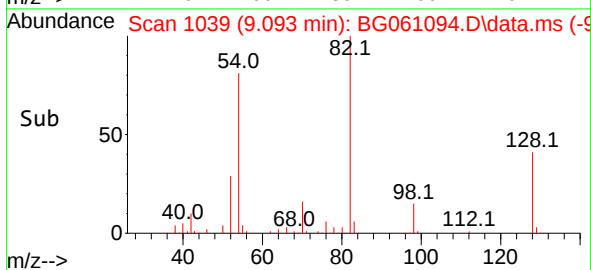
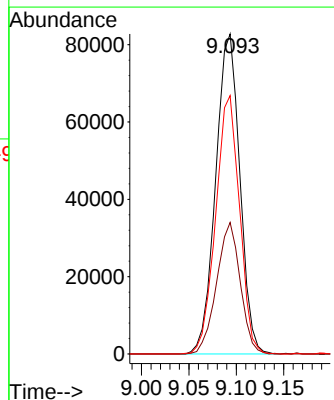
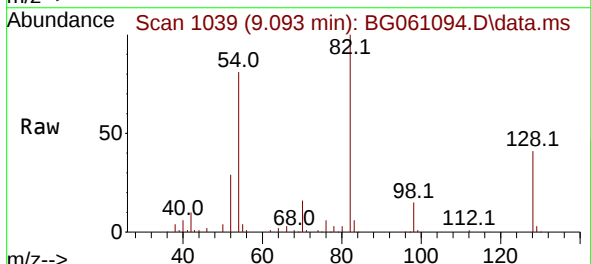
Instrument :
BNA_G
ClientSampleId :

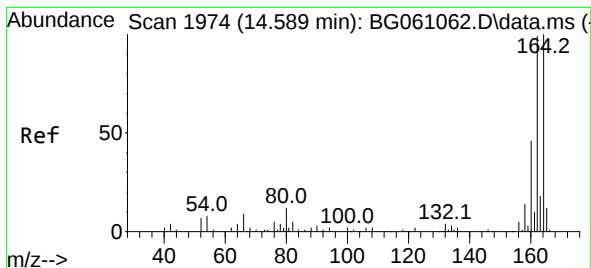
Tgt Ion:	136	Resp:	114381
Ion Ratio	Lower	Upper	
136	100		
137	10.4	7.8	11.6
54	11.9	8.1	12.1
68	3.6	3.0	4.4



#23
Nitrobenzene-d5
Concen: 63.531 ng
RT: 9.093 min Scan# 1039
Delta R.T. -0.025 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Tgt Ion:	82	Resp:	146590
Ion Ratio	Lower	Upper	
82	100		
128	41.1	32.7	49.1
54	80.7	65.6	98.4





#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.563 min Scan# 1974

Delta R.T. -0.025 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

Instrument :

BNA_G

ClientSampleId :

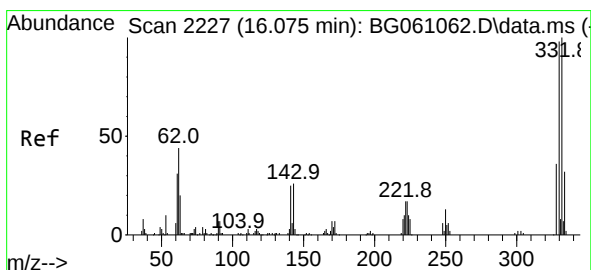
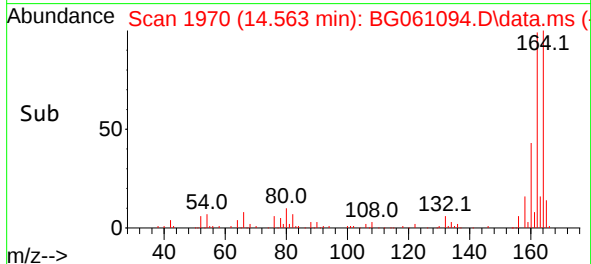
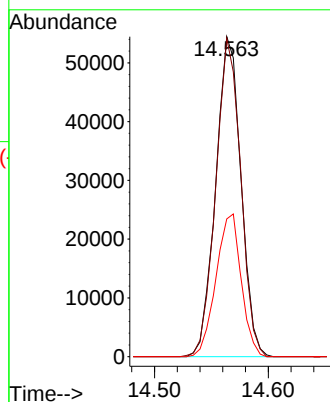
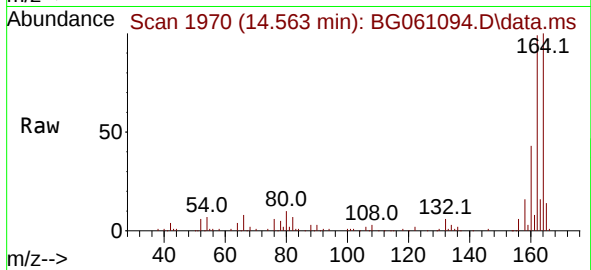
Tgt Ion:164 Resp: 84047

Ion Ratio Lower Upper

164 100

162 99.5 79.4 119.2

160 43.0 37.0 55.6



#42

2,4,6-Tribromophenol

Concen: 91.147 ng

RT: 16.056 min Scan# 2224

Delta R.T. -0.020 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

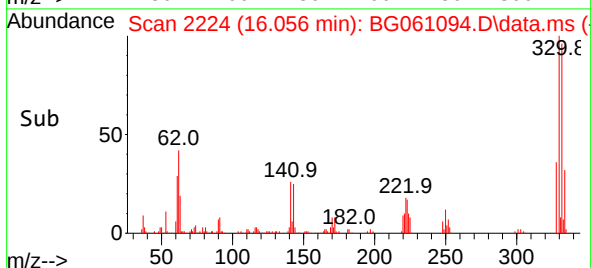
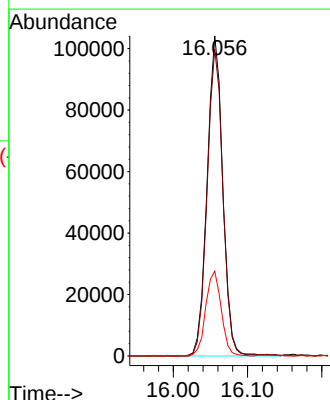
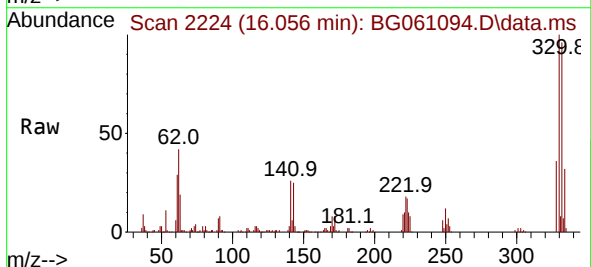
Tgt Ion:330 Resp: 153122

Ion Ratio Lower Upper

330 100

332 96.4 78.6 117.8

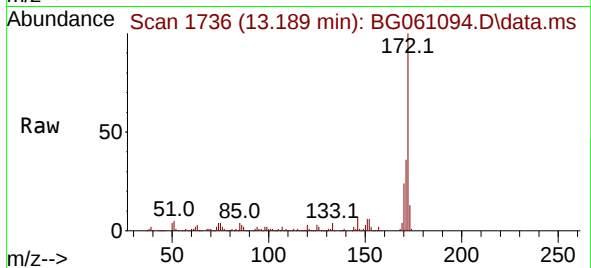
141 26.3 20.5 30.7



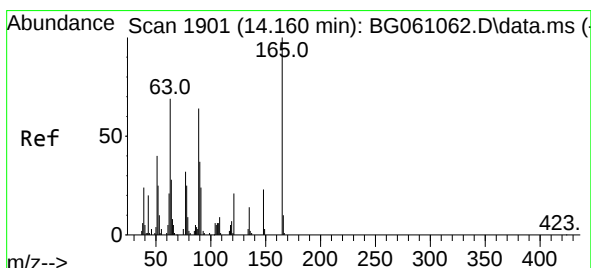
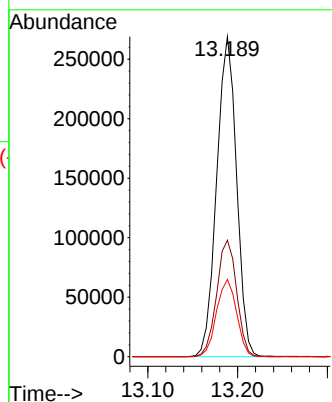
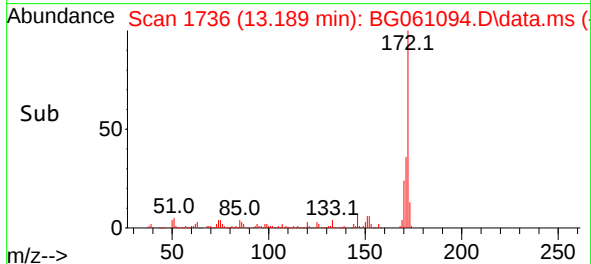


#45
2-Fluorobiphenyl
Concen: 72.716 ng
RT: 13.189 min Scan# 1
Delta R.T. -0.020 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

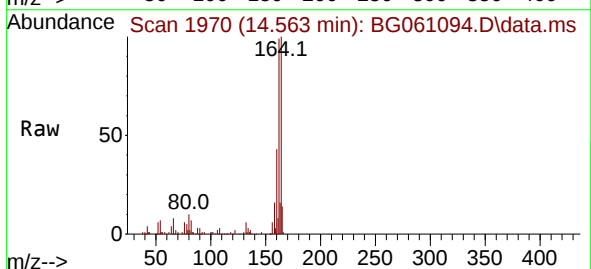
Instrument :
BNA_G
ClientSampleId :



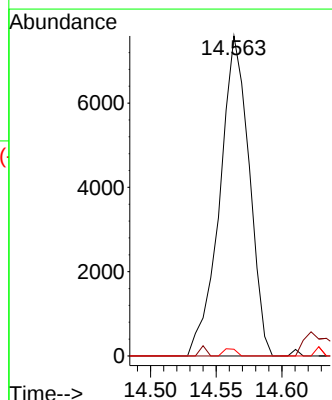
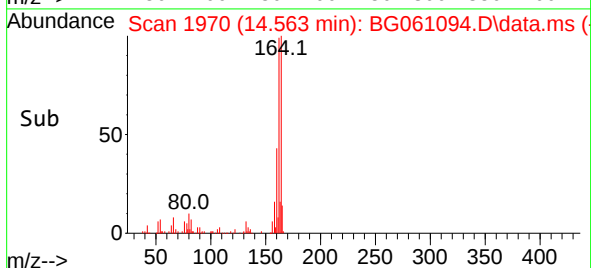
Tgt Ion:172 Resp: 413303
Ion Ratio Lower Upper
172 100
171 36.4 29.0 43.6
170 24.2 20.2 30.4

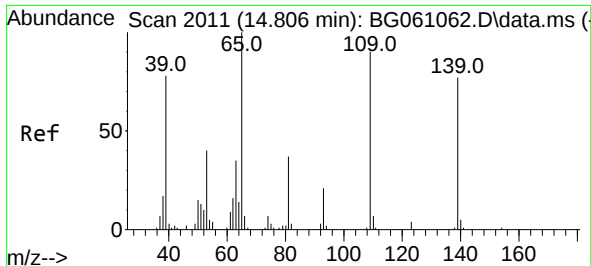


#51
2,6-Dinitrotoluene
Concen: 8.519 ng
RT: 14.563 min Scan# 1970
Delta R.T. 0.403 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23



Tgt Ion:165 Resp: 11829
Ion Ratio Lower Upper
165 100
63 0.0 60.0 90.0#
89 2.1 50.9 76.3#

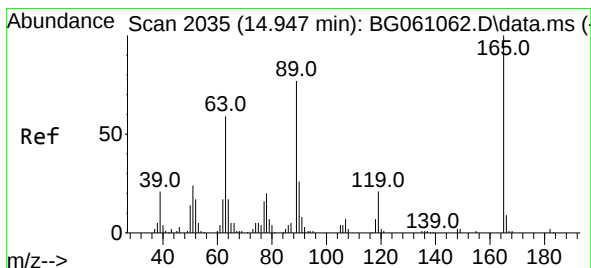
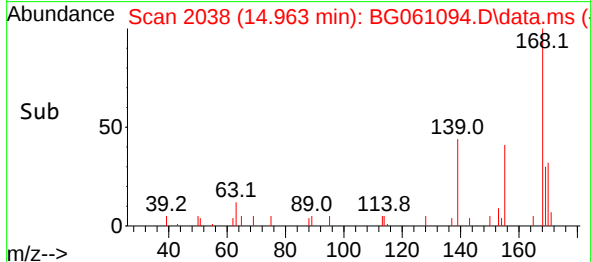
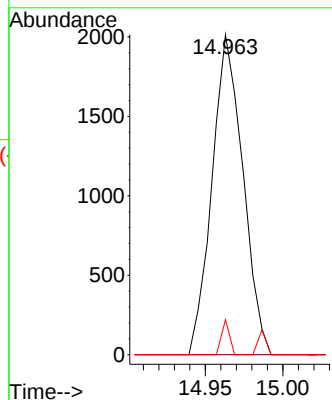
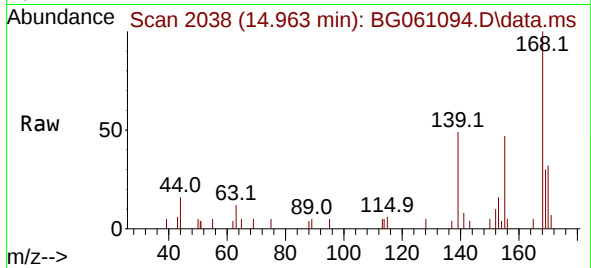




#56
4-Nitrophenol
Concen: 2.709 ng
RT: 14.963 min Scan# 2011
Delta R.T. 0.157 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

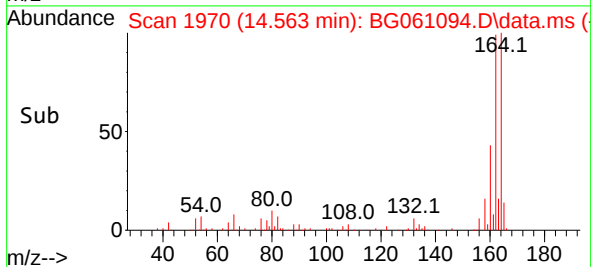
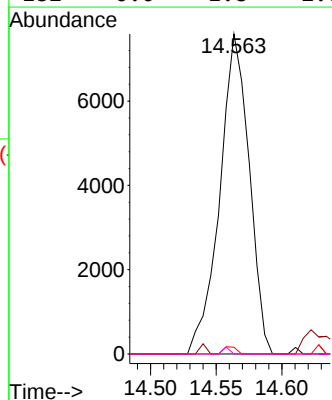
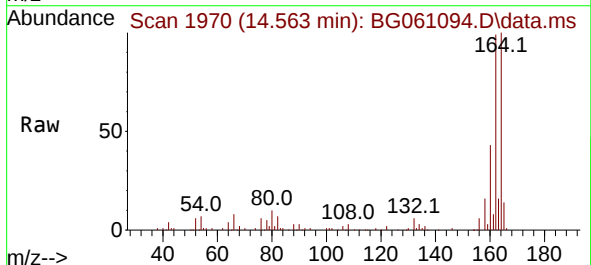
Instrument :
BNA_G
ClientSampleId :

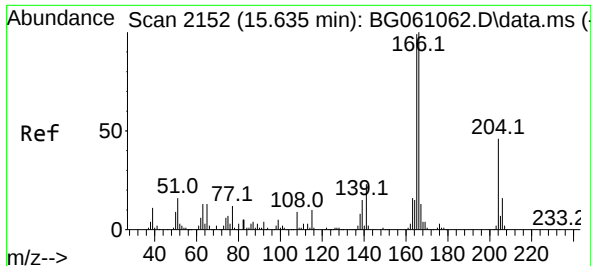
Tgt Ion:139 Resp: 2782
Ion Ratio Lower Upper
139 100
109 0.0 97.7 137.7#
65 10.9 110.7 150.7#



#57
2,4-Dinitrotoluene
Concen: 5.758 ng
RT: 14.563 min Scan# 1970
Delta R.T. -0.384 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

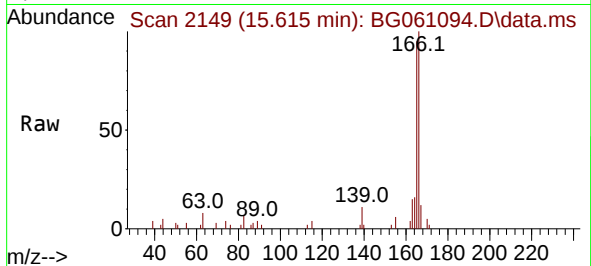
Tgt Ion:165 Resp: 11829
Ion Ratio Lower Upper
165 100
63 0.0 47.3 70.9#
89 2.1 61.8 92.8#
182 0.0 1.8 2.6#



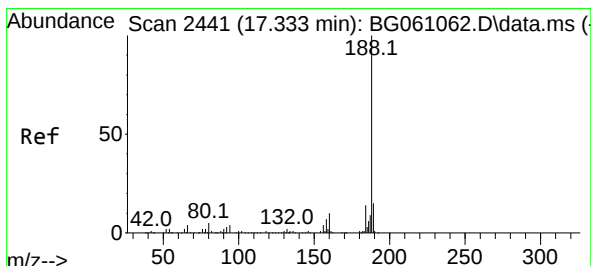
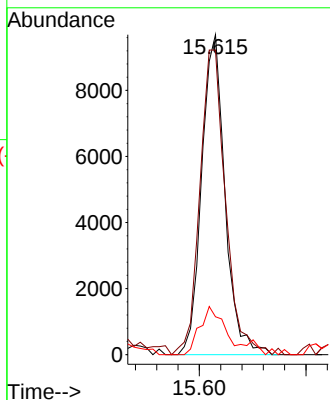
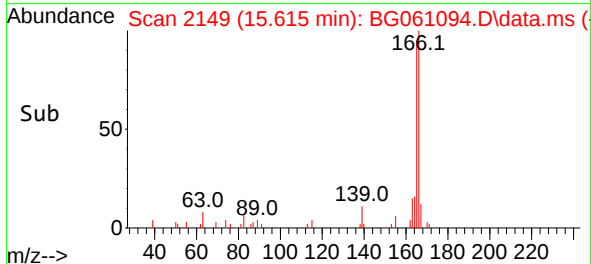


#58
 Fluorene
 Concen: 2.437 ng
 RT: 15.615 min Scan# 2152
 Delta R.T. -0.020 min
 Lab File: BG061094.D
 Acq: 2 May 2024 15:23

Instrument :
 BNA_G
 ClientSampleId :

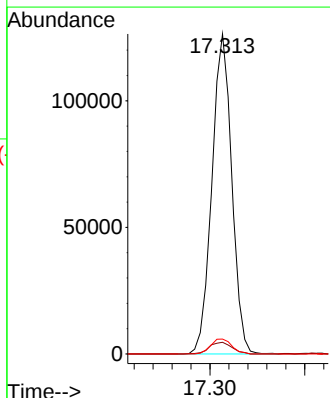
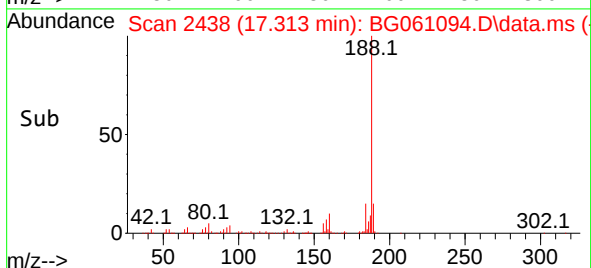
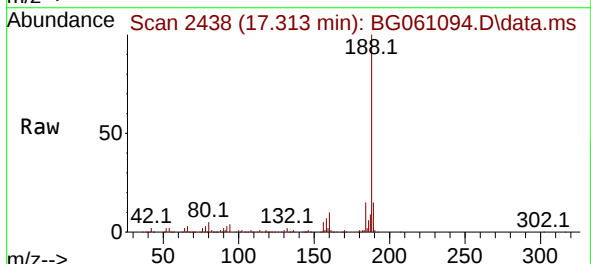


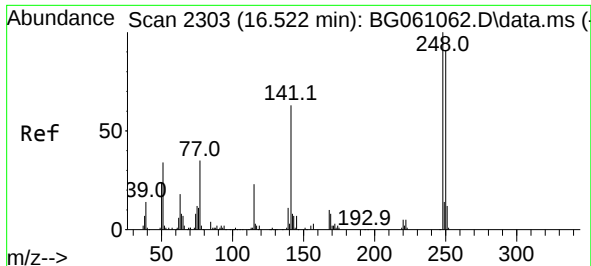
Tgt Ion:166 Resp: 14724
 Ion Ratio Lower Upper
 166 100
 165 95.2 78.9 118.3
 167 11.9 10.6 15.8



#64
 Phenanthrene-d10
 Concen: 20.000 ng
 RT: 17.313 min Scan# 2438
 Delta R.T. -0.020 min
 Lab File: BG061094.D
 Acq: 2 May 2024 15:23

Tgt Ion:188 Resp: 183551
 Ion Ratio Lower Upper
 188 100
 94 3.7 3.6 5.4
 80 4.6 4.2 6.2

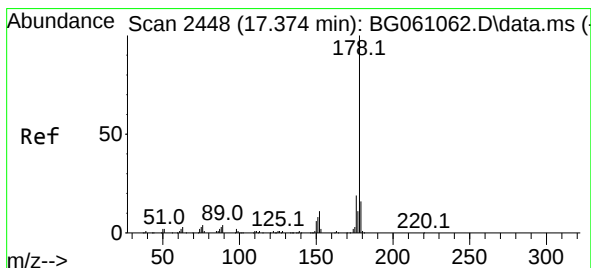
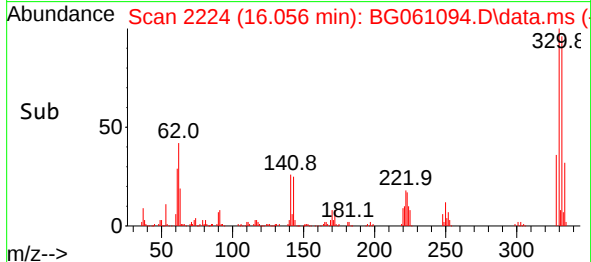
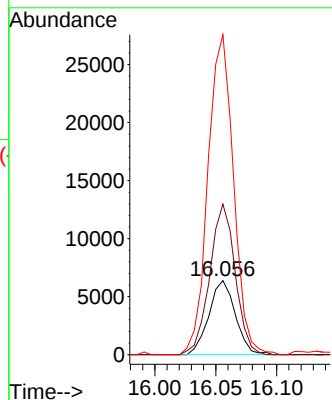
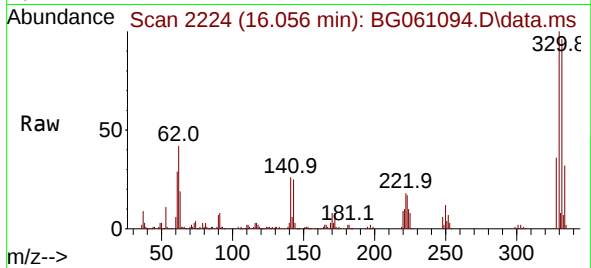




#67
4-Bromophenyl-phenylether
Concen: 4.460 ng
RT: 16.056 min Scan# 211
Delta R.T. -0.466 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

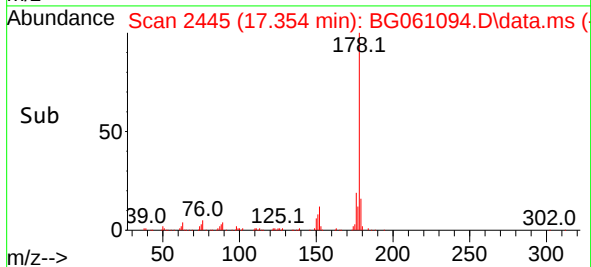
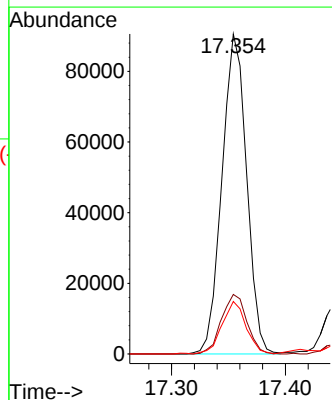
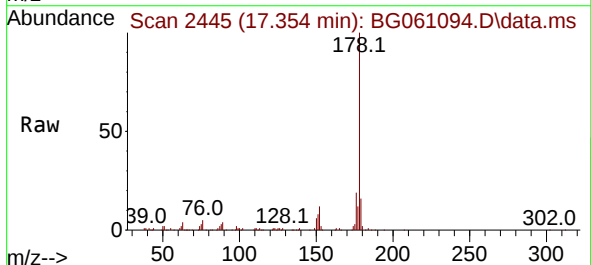
Instrument :
BNA_G
ClientSampleId :

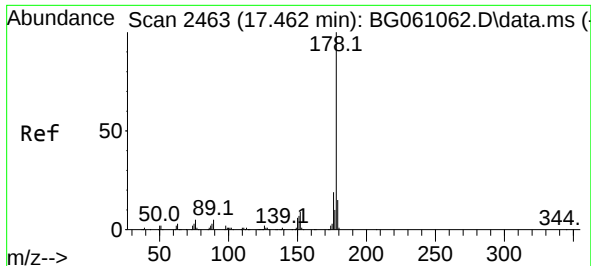
Tgt Ion:248 Resp: 9644
Ion Ratio Lower Upper
248 100
250 203.2 73.0 109.4#
141 431.9 50.8 76.2#



#71
Phenanthrene
Concen: 16.244 ng
RT: 17.354 min Scan# 2445
Delta R.T. -0.020 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

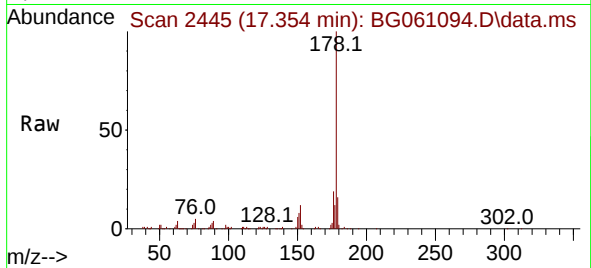
Tgt Ion:178 Resp: 136335
Ion Ratio Lower Upper
178 100
176 18.6 15.5 23.3
179 16.4 12.6 19.0



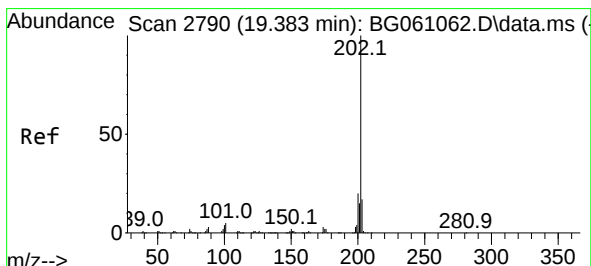
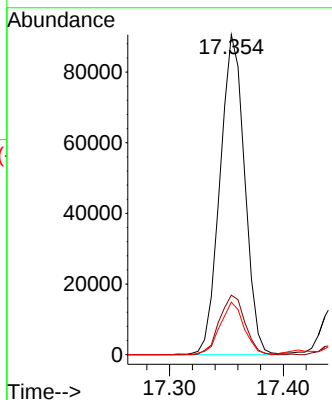
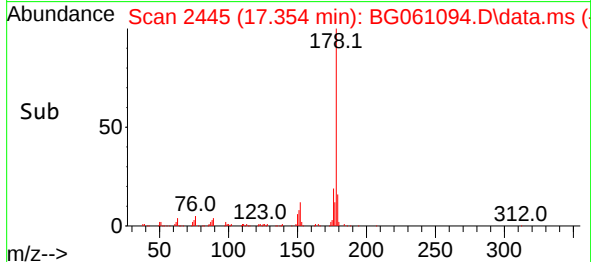


#72
 Anthracene
 Concen: 16.280 ng
 RT: 17.354 min Scan# 2463
 Delta R.T. -0.108 min
 Lab File: BG061094.D
 Acq: 2 May 2024 15:23

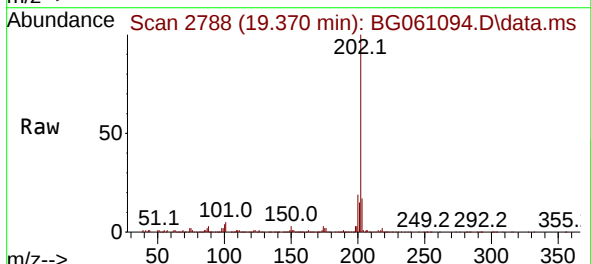
Instrument :
 BNA_G
 ClientSampleId :



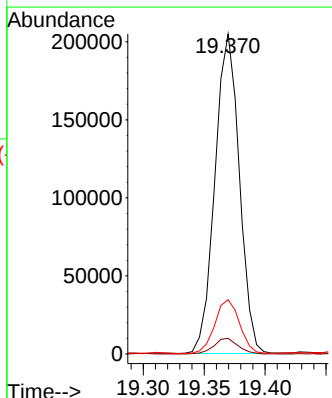
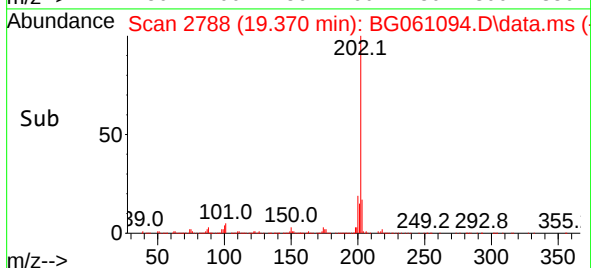
Tgt Ion:178 Resp: 136335
 Ion Ratio Lower Upper
 178 100
 176 18.6 15.0 22.6
 179 16.4 12.0 18.0

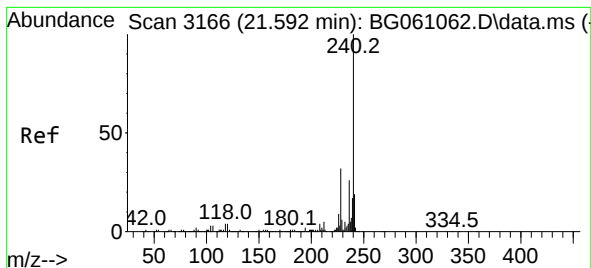


#75
 Fluoranthene
 Concen: 24.826 ng
 RT: 19.370 min Scan# 2788
 Delta R.T. -0.014 min
 Lab File: BG061094.D
 Acq: 2 May 2024 15:23



Tgt Ion:202 Resp: 285448
 Ion Ratio Lower Upper
 202 100
 101 4.9 0.0 24.7
 203 17.0 0.0 37.1





#76

Chrysene-d12

Concen: 20.000 ng

RT: 21.573 min Scan# 31

Delta R.T. -0.020 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

Instrument :

BNA_G

ClientSampleId :

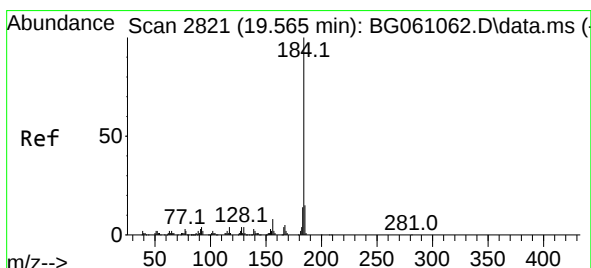
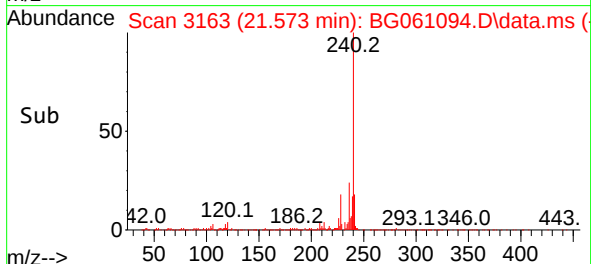
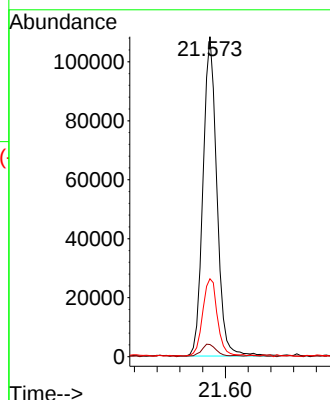
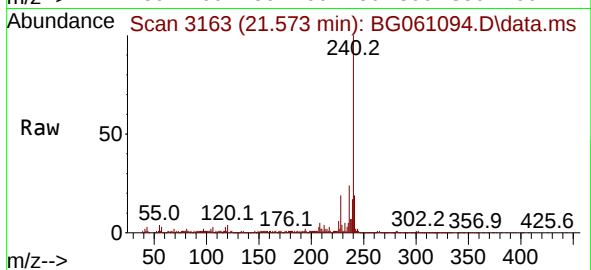
Tgt Ion:240 Resp: 182894

Ion Ratio Lower Upper

240 100

120 3.8 3.2 4.8

236 24.3 21.0 31.6



#77

Benzidine

Concen: 6.215 ng

RT: 19.934 min Scan# 2884

Delta R.T. 0.369 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

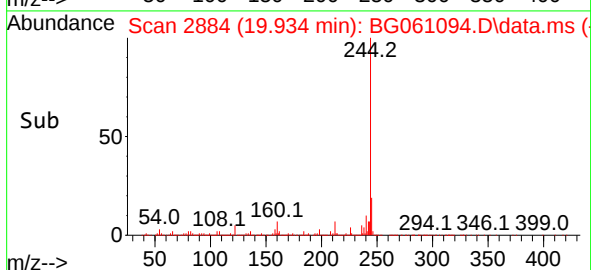
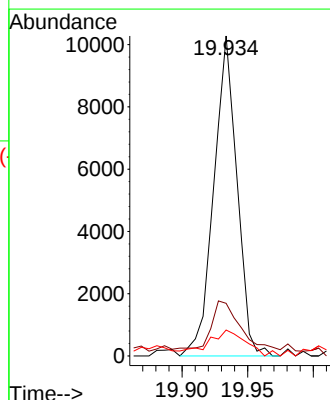
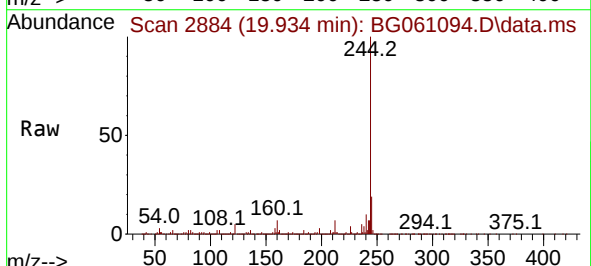
Tgt Ion:184 Resp: 12636

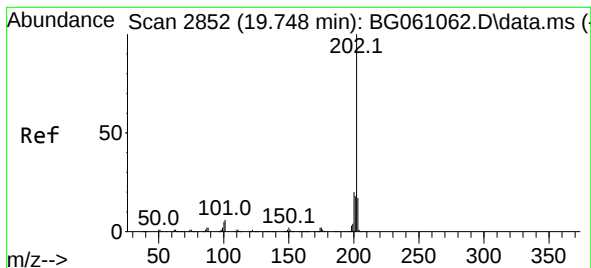
Ion Ratio Lower Upper

184 100

185 16.4 12.0 18.0

183 8.1 10.9 16.3#





#78

Pyrene

Concen: 23.419 ng

RT: 19.728 min Scan# 2849

Delta R.T. -0.020 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

Instrument :

BNA_G

ClientSampleId :

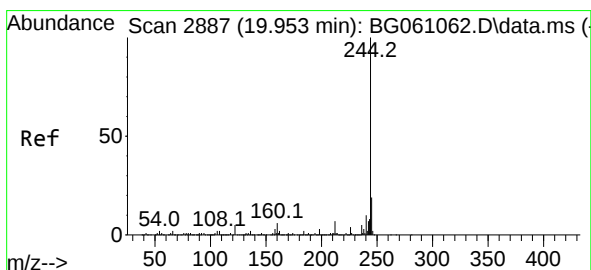
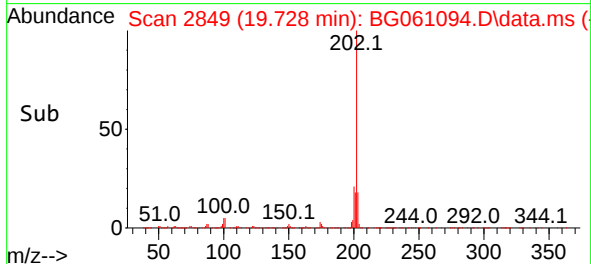
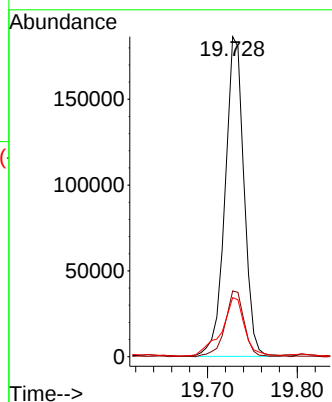
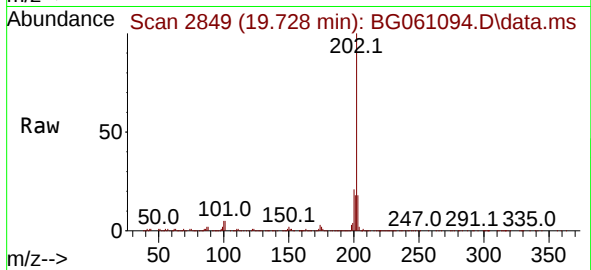
Tgt Ion:202 Resp: 272310

Ion Ratio Lower Upper

202 100

200 20.5 16.2 24.4

203 18.4 13.3 19.9



#79

Terphenyl-d14

Concen: 65.149 ng

RT: 19.934 min Scan# 2884

Delta R.T. -0.020 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

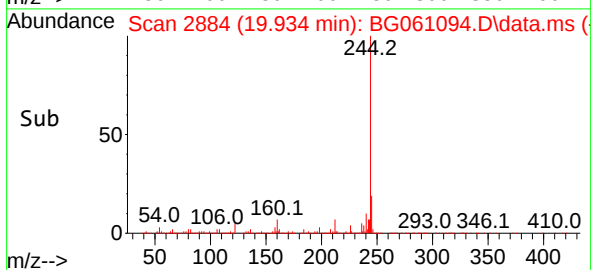
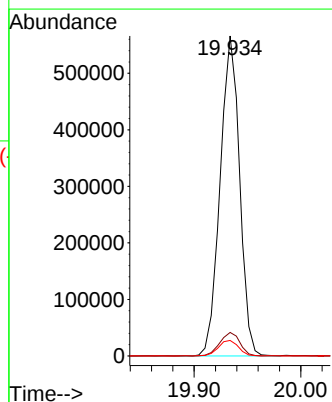
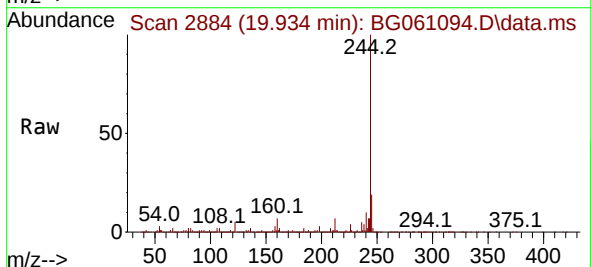
Tgt Ion:244 Resp: 716436

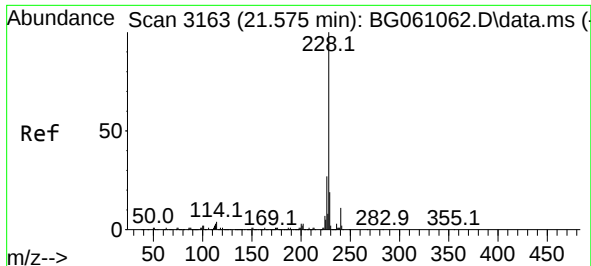
Ion Ratio Lower Upper

244 100

212 7.3 5.7 8.5

122 4.9 4.2 6.2

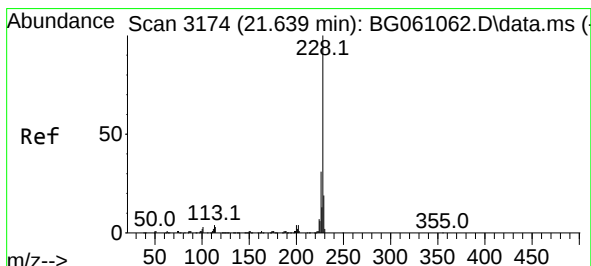
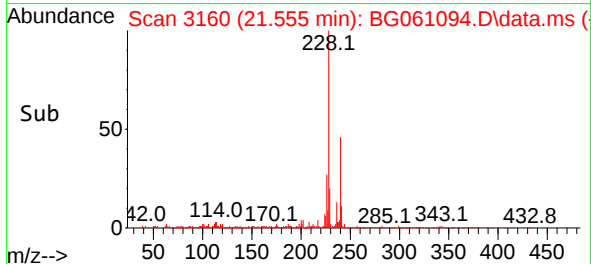
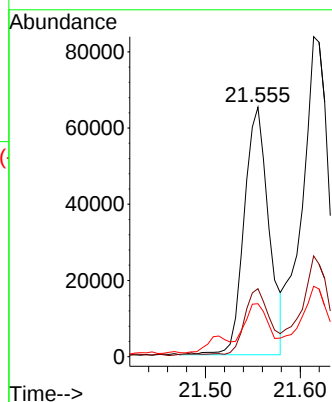
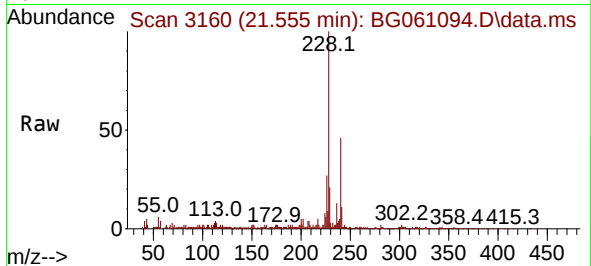




#81
Benzo(a)anthracene
Concen: 9.843 ng
RT: 21.555 min Scan# 3160
Delta R.T. -0.020 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

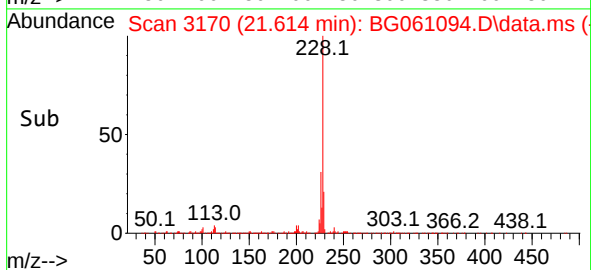
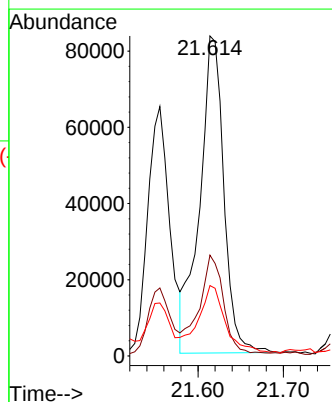
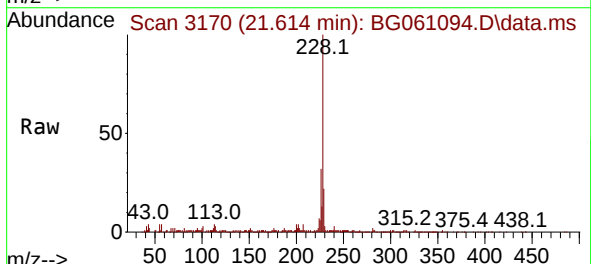
Instrument :
BNA_G
ClientSampleId :

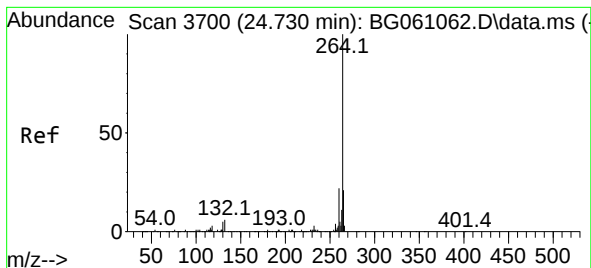
Tgt Ion:228 Resp: 117801
Ion Ratio Lower Upper
228 100
226 27.2 21.6 32.4
229 21.2 15.0 22.4



#83
Chrysene
Concen: 14.657 ng
RT: 21.614 min Scan# 3170
Delta R.T. -0.025 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Tgt Ion:228 Resp: 164353
Ion Ratio Lower Upper
228 100
226 31.5 24.4 36.6
229 22.0 14.8 22.2





#86

Perylene-d12

Concen: 20.000 ng

RT: 24.699 min Scan# 3

Delta R.T. -0.031 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

Instrument :

BNA_G

ClientSampleId :

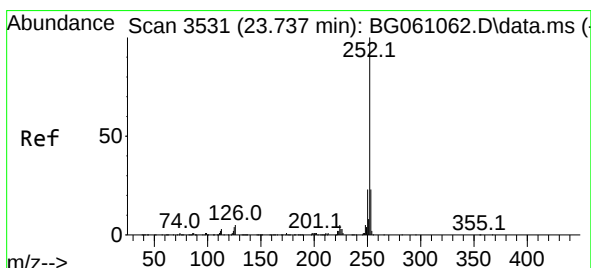
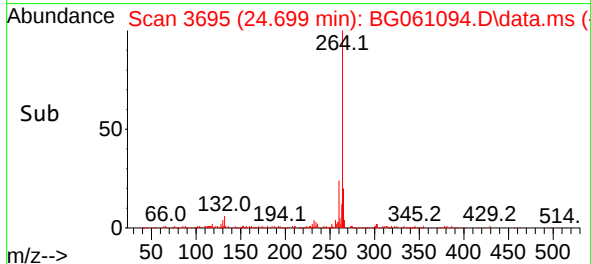
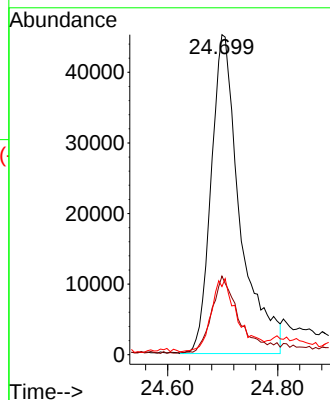
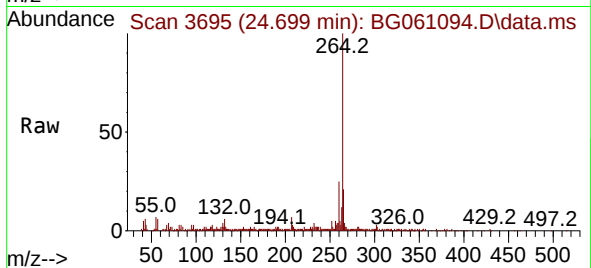
Tgt Ion:264 Resp: 164578

Ion	Ratio	Lower	Upper
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264	100		
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260	24.5	17.7	26.5
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265	21.3	16.4	24.6
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#88

Benzo(b)fluoranthene

Concen: 19.553 ng

RT: 23.717 min Scan# 3528

Delta R.T. -0.020 min

Lab File: BG061094.D

Acq: 2 May 2024 15:23

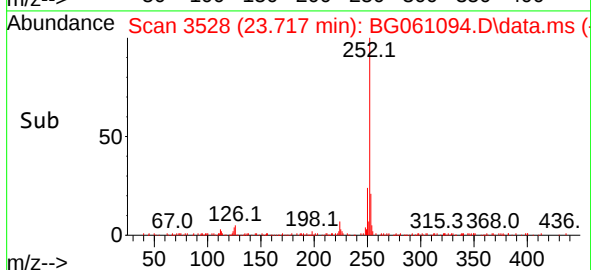
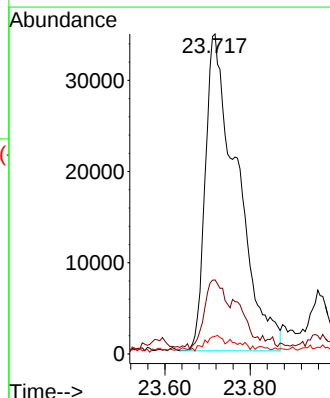
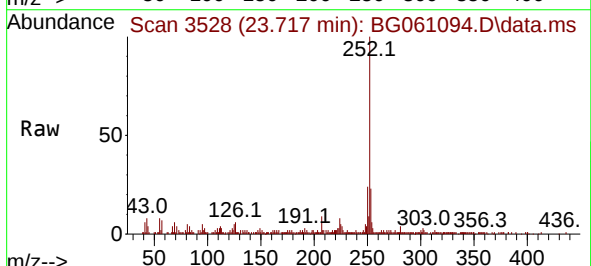
Tgt Ion:252 Resp: 179819

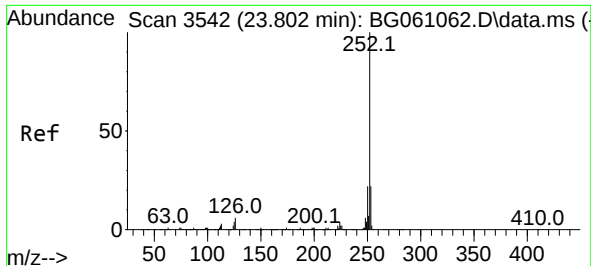
Ion	Ratio	Lower	Upper
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252	100		
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253	23.2	18.2	27.2
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125	5.5	3.4	5.0#
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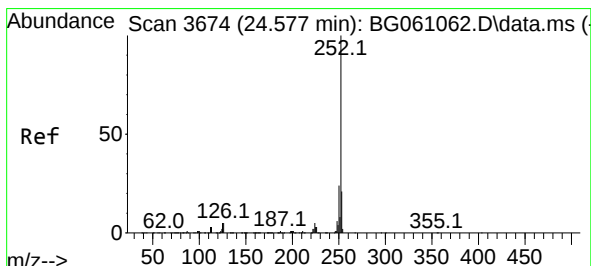
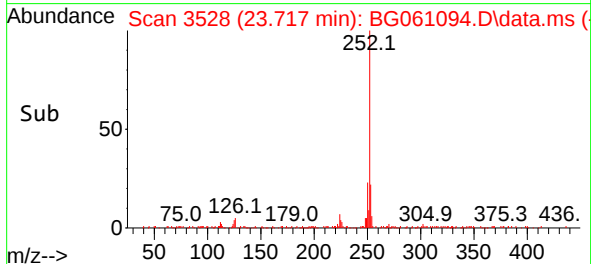
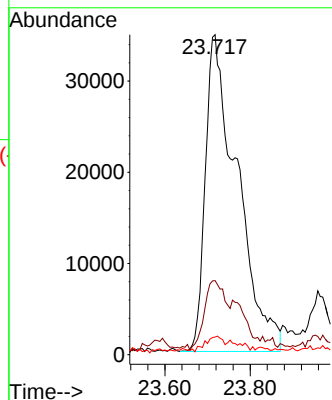
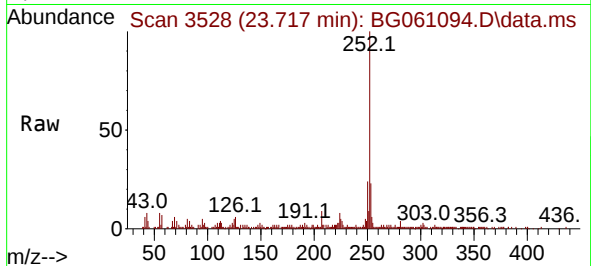




#89
Benzo(k)fluoranthene
Concen: 20.324 ng
RT: 23.717 min Scan# 31
Delta R.T. -0.084 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Instrument :
BNA_G
ClientSampleId :

Tgt Ion:252 Resp: 179819
Ion Ratio Lower Upper
252 100
253 23.2 17.3 25.9
125 5.5 3.2 4.8#



#90
Benzo(a)pyrene
Concen: 6.831 ng
RT: 24.546 min Scan# 3669
Delta R.T. -0.031 min
Lab File: BG061094.D
Acq: 2 May 2024 15:23

Tgt Ion:252 Resp: 54728
Ion Ratio Lower Upper
252 100
253 24.8 16.9 25.3
125 8.1 3.8 5.8#

